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SECRETARY

JOHN AUERBACH  
COMMISSIONER

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130  
617-983-6622

11/17/11

Susan Dolhun  
Assistant District Attorney, Essex County

Dear ADA Dolhun,

Enclosed are copies of the information you requested regarding sample number [REDACTED] in the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
3. Control Card with Analytical Results for sample number [REDACTED]
4. Analysis Notation Form for the above sample number.
5. GC-MS Raw Data Sheets for the above sample number.

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniela Frasca'.

Daniela Frasca  
Chemist II  
Drug Laboratory  
617 983-6631  
fax: 617 983-6625

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department:

199  
LYNN

Police Reference No.:



Name and Rank of Submitting Officer:

DET. MARK RICHMOND

Defendant(s) Name (last, first, initial):



*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

1 PB BP (HEROIN)	1.8g	

Received by:

Date:

10-7-10

## Curriculum Vitae

Daniela Frasca

### Education

Boston University School of Medicine, Boston MA  
*Currently enrolled in the Biomedical Forensic Science MS Program*

Suffolk University, Boston, MA  
*Graduated in 05/1996 and received a Bachelor of Science in Biochemistry*

### EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 -- present  
Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA 09/1996 -- 10/2001  
Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

### Additional Training

Northeastern Association of Forensic Scientists  
Designer Drugs                      Clandestine labs  
Agilent Instruments and Software      Digital Photography

McCrone Research Institute  
Forensic Polarized Microscopy  
Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute  
Expert Witness  
Raman Spectroscopy

### Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor 2003 - present  
for the TTT Mentor Program

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

No. [REDACTED]

Date Analyzed: 2-31-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 10/07/2010

No. Analyzed:

Gross Wt.: 1.80

Net Weight: 9.23g

# Tests: 5 (DATE)

2 ASD

Prelim: Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Lynn

ANALYST

ELM

PHYSICAL DESCRIPTION:

EL. MCK

Powder in 1 open PB

Marg +

Prad +

Meck +

Cobalt +, blue specks

Gross wt 0.3010g

Net wt 0.2309g

PRELIMINARY TEST RESULTS

RESULTS

Heroin

DATE

12/30/10

GC/MS CONFIRMATORY TEST

RESULTS

Heroin

MS  
OPERATOR

ASD

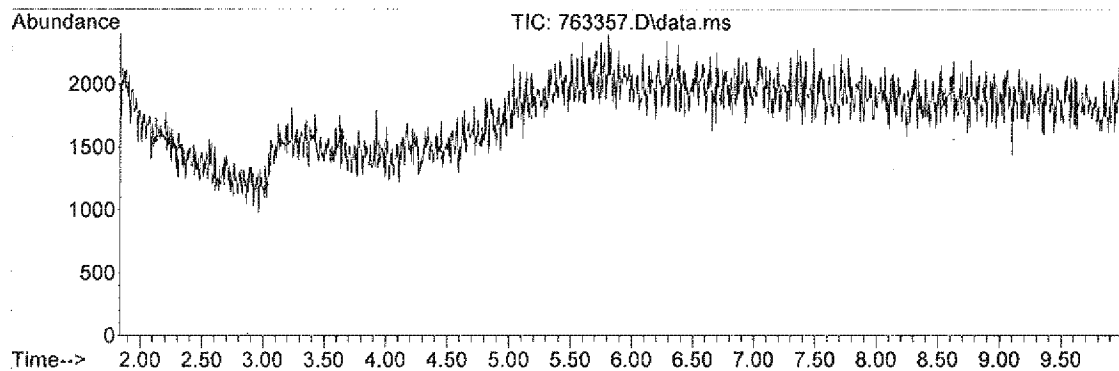
DATE

12/31/10

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Operator : ASD  
Date Acquired : 30 Dec 2010 23:25  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

✓ ASD  
10-14-11

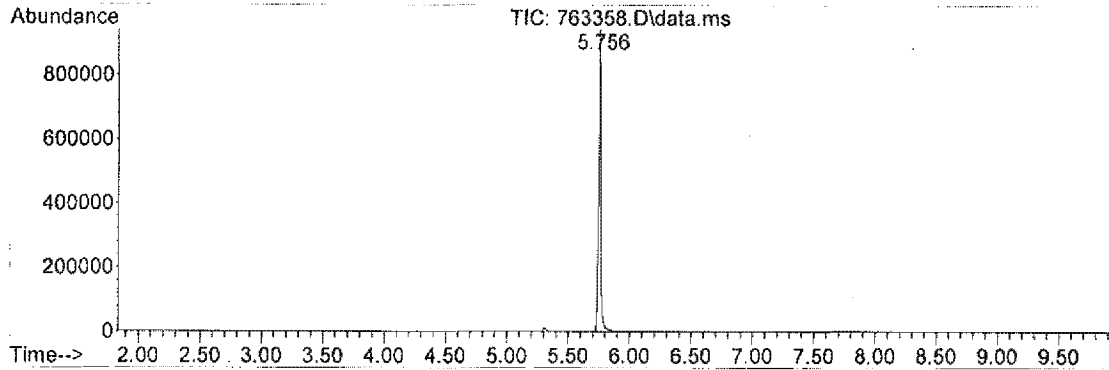


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763358.D  
Operator : ASD  
Date Acquired : 30 Dec 2010 23:38  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 45  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.756	1209736	100.00	100.00

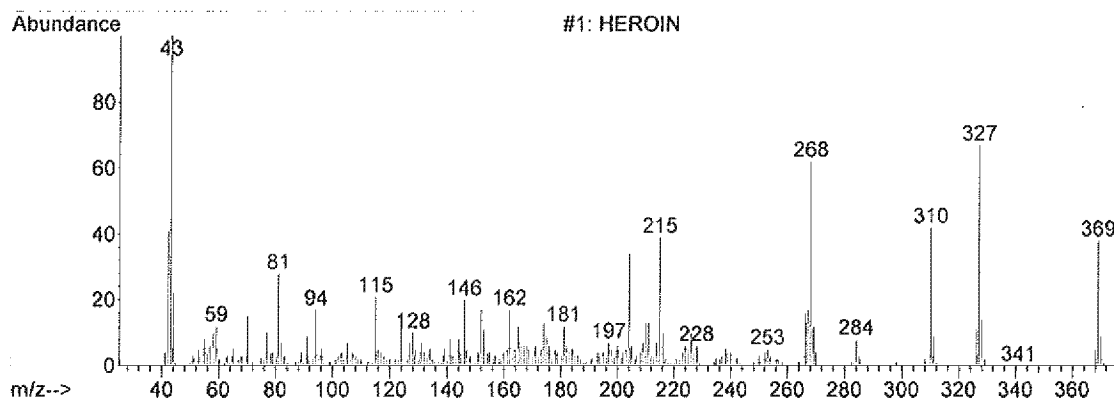
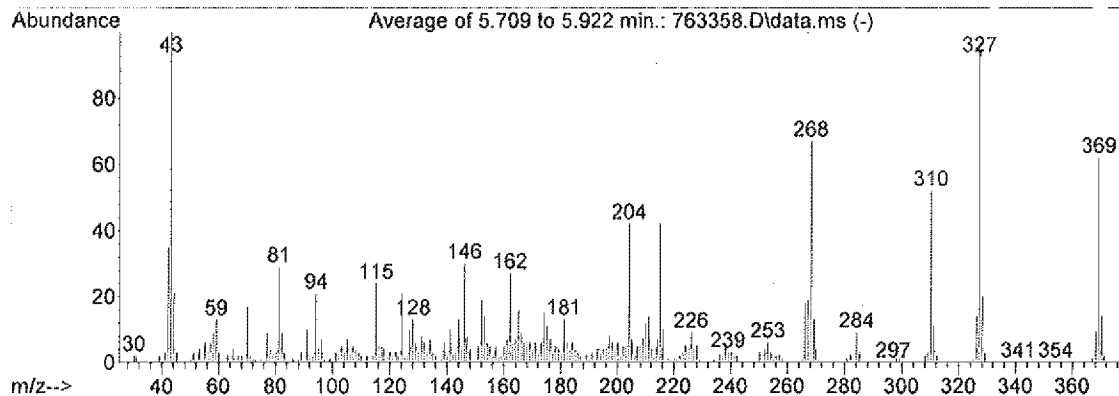


## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763358.D  
Operator : ASD  
Date Acquired : 30 Dec 2010 23:38  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 45  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

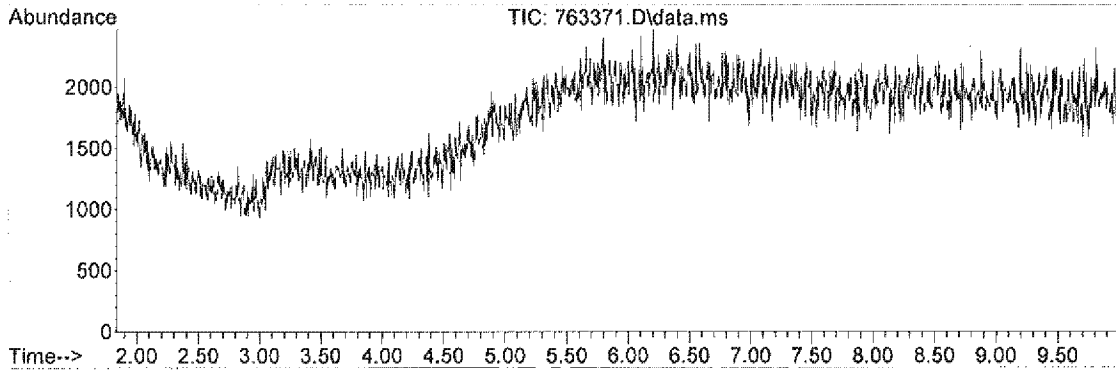
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.76	C:\Database\SLI.L HEROIN	000561-27-3	99



## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763371.D  
Operator : ASD  
Date Acquired : 31 Dec 2010 2:28  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

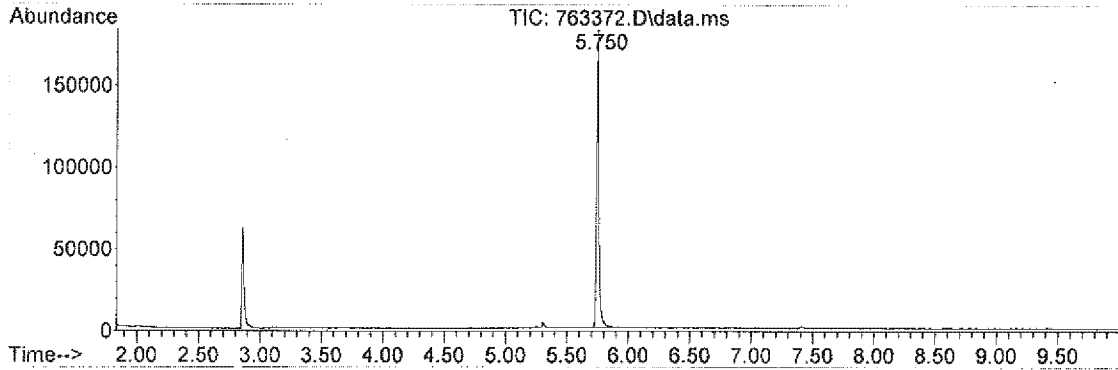


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763372.D  
Operator : ASD  
Date Acquired : 31 Dec 2010 2:42  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 72  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.750	240807	100.00	100.00

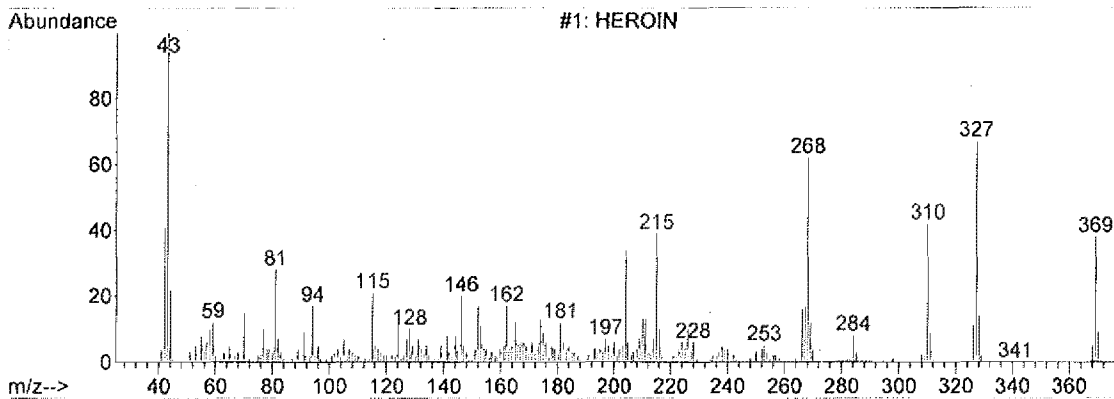
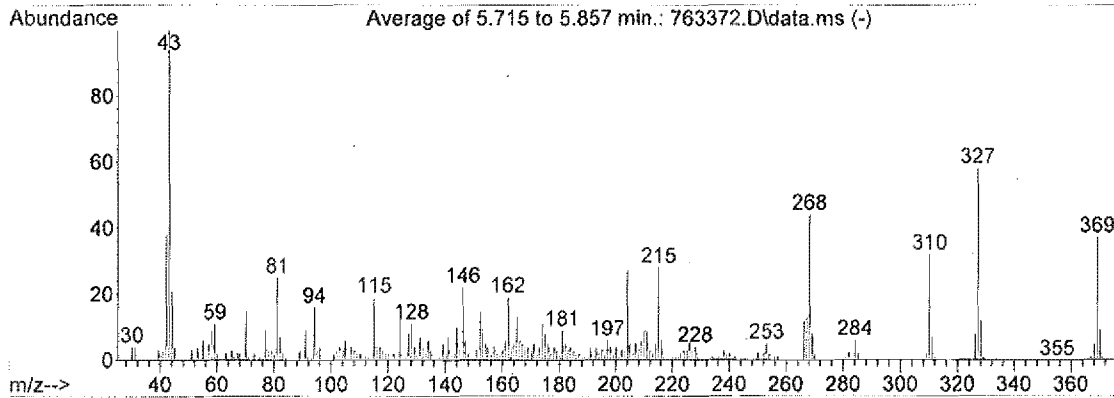
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763372.D  
 Operator : ASD  
 Date Acquired : 31 Dec 2010 2:42  
 Sample Name : XXXXXXXXXX  
 Submitted by : DXF  
 Vial Number : 72  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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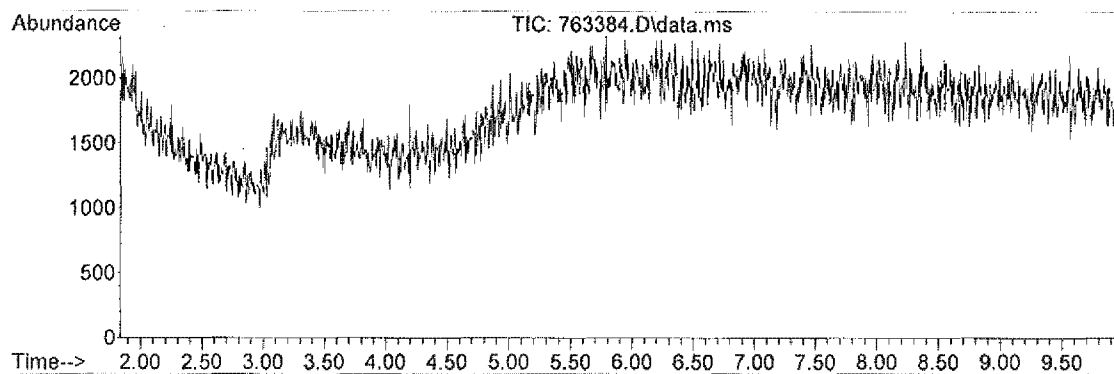
# Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 31 Dec 2010 5:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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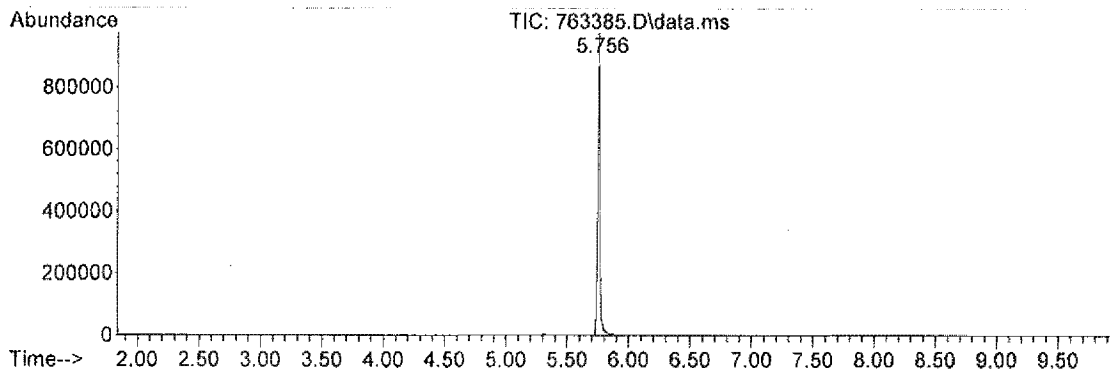
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763385.D  
 Operator : ASD  
 Date Acquired : 31 Dec 2010 5:32  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 45  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.756	1245686	100.00	100.00

## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\12\_30\_10\763385.D  
Operator : ASD  
Date Acquired : 31 Dec 2010 5:32  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 45  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.76	C:\Database\SLI.L HEROIN	000561-27-3	99

